DO NOT ENTER: /J.H./

Appl. No. 10/526,427 Amdt. Dated June 23, 2008

Reply to Office Action of April 11, 2008

Attorney Docket No. 81864.0053 Customer No.: 26021

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended): A ferrite material comprising a sintered body comprising as main constituents, 62 to 68 mol % of Fe_2O_3 , $\underline{15}$ $\underline{12}$ to 20 mol % of ZnO, 1.5 to 5 mol % of NiO, and the balance being substantially MnO; and

the saturation magnetic flux density thereof at 100°C is 450 mT or more (magnetic field for measurement: 1194 A/m), and the minimum core loss value thereof is 1200 kW/m³ or less (measurement conditions: 100 kHz, 200 mT), wherein:

said sintered body has a mean grain size of 10 to 30 μm.

- 2.-4. (Cancelled).
- 5. (Previously presented): The ferrite material according to claim 1, wherein: said ferrite material comprises, as additives, 250 ppm or less (not inclusive of 0) of Si in terms of SiO₂ and 2500 ppm or less (not inclusive of 0) of Ca in terms of CaCO₃.
 - 6. (Cancelled).
- 7. (Previously presented): The ferrite material according to claim 5, wherein: the weight ratio between said content of SiO_2 and said content of $CaCO_3$ (SiO_2 content/CaCO₃ content) is 0.04 to 0.25.
- 8. (Currently amended): The ferrite material according to claim 1, wherein: said ferrite material comprises, as additives, one or more selected from the group consisting of Nb₂O₅: 400 ppm or less (not inclusive of 0), ZrO₂: 1000 ppm or less (not inclusive of 0), Ta₂O₅: 1000 ppm or less (not inclusive of 0), In₂O₃In₂O₅: 1000 ppm or less (not inclusive of 0).

- 9. (Previously presented): The ferrite material according to claim 1, wherein: said ferrite material comprises, as additives, one or both of SnO₂: 10000 ppm or less (not inclusive of 0) and TiO₂: 10000 ppm or less (not inclusive of 0).
- 10. (Previously presented): The ferrite material according to claim 1, wherein: said ferrite material comprises, as additives, one or more selected from the group consisting of a P compound: 35 ppm or less (not inclusive of 0) in terms of P, MoO₃: 1000 ppm or less (not inclusive of 0), V₂O₅: 1000 ppm or less (not inclusive of 0), GeO₂: 1000 ppm or less (not inclusive of 0), Bi₂O₃: 1000 ppm or less (not inclusive of 0), and Sb₂O₃: 3000 ppm or less (not inclusive of 0).
- 11. (Previously presented): The ferrite material according to claim 1, wherein: the bottom temperature at which the core loss thereof exhibits the minimum value falls within a range between 60 and 130°C.
- 12. (Previously presented): The ferrite material according to claim 1, wherein: the saturation magnetic flux density thereof at 100°C is 480 mT or more (magnetic field for measurement: 1194 A/m).
 - 13. (Original): The ferrite material according to claim 12, wherein: the initial permeability thereof at room temperature is 700 or more.
- 14. (Currently amended): The ferrite material according to claim 1, wherein: said sintered body has a relative density of 93% or more and a mean grain size of 5 to 30 μm.
- 15. (Previously presented): The ferrite material according to claim 1, wherein: the saturation magnetic flux density thereof at 100°C is 480 mT or more (magnetic field for measurement: 1194 A/m) and the minimum core loss value thereof is 1100 kW/m³ or less (measurement conditions: 100 kHz, 200 mT).

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16. (Previously presented): The ferrite material according to claim 1, wherein: the saturation magnetic flux density thereof at 100°C is 500 mT or more (magnetic field for measurement: 1194 A/m), the minimum core loss value thereof is 1000 kW/m³ or less (measurement conditions: 100 kHz, 200 mT), the bottom temperature at which the core loss thereof exhibits the minimum value is from 80 to 120°C, and the initial permeability thereof at room temperature is 800 or more.

- 17. (Cancelled):
- 18. (Previously presented): The ferrite material according to claim 1, wherein: said sintered body has a mean grain size of 10 to 20 μm .